

2113

OIPE



RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/987,108

DATE: 02/20/2002  
 TIME: 17:18:21

Input Set : A:\KNUDSEN1A.txt  
 Output Set: N:\CRF3\02202002\I987108.raw

ENTERED

3 <110> APPLICANT: KNUDSEN, Jens  
 4 WADUM, Maiken C.T.  
 5 VILLADSEN, Jens  
 6 NEERGAARD, Thomas B.F.  
 8 <120> TITLE OF INVENTION: BIOSENSOR  
 10 <130> FILE REFERENCE: KNUDSEN1A  
 12 <140> CURRENT APPLICATION NUMBER: US 09/987,108  
 13 <141> CURRENT FILING DATE: 2001-11-13  
 15 <150> PRIOR APPLICATION NUMBER: US 60/262,366  
 16 <151> PRIOR FILING DATE: 2001-01-19  
 18 <150> PRIOR APPLICATION NUMBER: DK PA2000 01638  
 19 <151> PRIOR FILING DATE: 2000-11-10  
 21 <160> NUMBER OF SEQ ID NOS: 38  
 23 <170> SOFTWARE: PatentIn version 3.1  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 86  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Bos taurus  
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 36 Thr Lys Pro Ala Asp Glu Glu Met Leu Phe Ile Tyr Ser His Tyr Lys  
 37 20 25 30  
 40 Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Met Leu Asp  
 41 35 40 45  
 44 Phe Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Glu Leu Lys Gly Thr  
 45 50 55 60  
 48 Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asp Lys Val Glu Glu Leu  
 49 65 70 75 80  
 52 Lys Lys Lys Tyr Gly Ile  
 53 85  
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 67 Thr Lys Pro Ser Asp Glu Glu Met Leu Phe Ile Tyr Gly His Tyr Lys  
 68 20 25 30  
 71 Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Met Leu Asp  
 72 35 40 45  
 75 Phe Thr Gly Lys Ala Lys Trp Asp Ala Trp Asn Glu Leu Lys Gly Thr

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76      50      55      60
79 Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asn Lys Val Glu Glu Leu
80 65      70      75      80
83 Lys Lys Lys Tyr Gly Ile
84      85
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88 <211> LENGTH: 86
89 <212> TYPE: PRT
90 <213> ORGANISM: Sus scrofa
92 <400> SEQUENCE: 3
94 Ser Gln Ala Glu Phe Glu Lys Ala Ala Glu Glu Val Lys Asn Leu Lys
95 1      5      10      15
98 Thr Lys Pro Ala Asp Asp Glu Met Leu Phe Ile Tyr Ser His Tyr Lys
99      20      25      30
102 Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Ile Leu Asp
103      35      40      45
106 Leu Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Gly Leu Lys Gly Thr
107      50      55      60
110 Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asn Lys Val Glu Glu Leu
111 65      70      75      80
114 Lys Lys Lys Tyr Gly Ile
115      85
118 <210> SEQ ID NO: 4
119 <211> LENGTH: 86
120 <212> TYPE: PRT
121 <213> ORGANISM: Canis familiaris
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125 Ser Gln Ala Glu Phe Asp Lys Ala Ala Glu Asp Val Lys His Leu Lys
126 1      5      10      15
129 Thr Lys Pro Ala Asp Asp Glu Met Leu Tyr Ile Tyr Ser His Tyr Lys
130      20      25      30
133 Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Leu Leu Asp
134      35      40      45
137 Leu Arg Gly Lys Ala Lys Trp Asp Ala Trp Asn Gln Leu Lys Gly Thr
138      50      55      60
141 Ser Lys Glu Asp Ala Met Lys Ala Tyr Val Asn Lys Val Glu Asp Leu
142 65      70      75      80
145 Lys Lys Lys Tyr Gly Ile
146      85
149 <210> SEQ ID NO: 5
150 <211> LENGTH: 86
151 <212> TYPE: PRT
152 <213> ORGANISM: Rattus norvegicus
154 <400> SEQUENCE: 5
156 Ser Gln Ala Asp Phe Asp Lys Ala Ala Glu Glu Val Lys Arg Leu Lys
157 1      5      10      15
160 Thr Gln Pro Thr Asp Glu Glu Met Leu Phe Ile Tyr Ser His Phe Lys
161      20      25      30
164 Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Leu Leu Asp

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165          35          40          45
168 Leu Lys Gly Lys Ala Lys Trp Asp Ser Trp Asn Lys Leu Lys Gly Thr
169          50          55          60
172 Ser Lys Glu Asn Ala Met Lys Thr Tyr Val Glu Lys Val Glu Glu Leu
173 65          70          75          80
176 Lys Lys Lys Tyr Gly Ile
177          85
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182 <212> TYPE: PRT
183 <213> ORGANISM: Mus musculus
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188 1          5          10          15
191 Thr Gln Pro Thr Asp Glu Glu Met Leu Phe Ile Tyr Ser His Phe Lys
192          20          25          30
195 Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Leu Leu Asp
196          35          40          45
199 Leu Lys Gly Lys Ala Lys Trp Asp Ser Trp Asn Lys Leu Lys Gly Thr
200          50          55          60
203 Ser Lys Glu Ser Ala Met Lys Thr Tyr Val Glu Lys Val Asp Glu Leu
204 65          70          75          80
207 Lys Lys Lys Tyr Gly Ile
208          85
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212 <211> LENGTH: 86
213 <212> TYPE: PRT
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216 <400> SEQUENCE: 7
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222 Ser Gln Pro Thr Asp Glu Glu Met Leu Tyr Ile Tyr Ser His Phe Lys
223          20          25          30
226 Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Phe Leu Asp
227          35          40          45
230 Phe Lys Gly Lys Ala Lys Trp Asp Ala Trp Asp Ala Leu Lys Gly Met
231          50          55          60
234 Ala Lys Glu Glu Ala Met Lys Ala Tyr Ile Ala Lys Val Glu Glu Leu
235 65          70          75          80
238 Lys Gly Lys Tyr Gly Ile
239          85
242 <210> SEQ ID NO: 8
243 <211> LENGTH: 86
244 <212> TYPE: PRT
245 <213> ORGANISM: Anas platyrhynchos
247 <400> SEQUENCE: 8
249 Ala Glu Ala Ala Phe Gln Lys Ala Ala Glu Glu Val Lys Gln Leu Lys
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253 Ser Gln Pro Ser Asp Gln Glu Met Leu Asp Val Tyr Ser His Tyr Lys

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254          20          25          30
257 Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Met Leu Asp
258          35          40          45
261 Phe Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Ala Leu Lys Gly Met
262          50          55          60
265 Ser Lys Glu Asp Ala Met Lys Ala Tyr Val Ala Lys Val Glu Glu Leu
266 65          70          75          80
269 Lys Gly Lys Tyr Gly Ile
270          85
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274 <211> LENGTH: 86
275 <212> TYPE: PRT
276 <213> ORGANISM: Gallus gallus
278 <400> SEQUENCE: 9
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281 1          5          10          15
284 Ser Gln Pro Thr Asp Gln Glu Met Leu Asp Val Tyr Ser His Tyr Lys
285          20          25          30
288 Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Met Leu Asp
289          35          40          45
292 Phe Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Ala Leu Lys Gly Met
293          50          55          60
296 Ser Lys Glu Asp Ala Met Lys Ala Tyr Val Ala Lys Val Glu Glu Leu
297 65          70          75          80
300 Lys Gly Lys Tyr Gly Ile
301          85
304 <210> SEQ ID NO: 10
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307 <213> ORGANISM: Drosophila melanogaster
309 <400> SEQUENCE: 10
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315 Lys Arg Pro Ser Asp Asp Glu Phe Leu Gln Leu Tyr Ala Leu Phe Lys
316          20          25          30
319 Gln Ala Ser Val Gly Asp Asn Asp Thr Ala Lys Pro Gly Leu Leu Asp
320          35          40          45
323 Leu Lys Gly Lys Ala Lys Trp Glu Ala Trp Asn Lys Gln Lys Gly Lys
324          50          55          60
327 Ser Ser Glu Ala Ala Gln Glu Tyr Ile Thr Phe Val Glu Gly Leu
328 65          70          75          80
331 Val Ala Lys Tyr Ala
332          85
335 <210> SEQ ID NO: 11
336 <211> LENGTH: 88
337 <212> TYPE: PRT
338 <213> ORGANISM: Manduca sexta
340 <400> SEQUENCE: 11
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343 1          5          10          15
346 Ser Leu Pro Ser Asp Asn Asp Leu Leu Glu Leu Tyr Ala Leu Phe Lys
347          20          25          30
350 Gln Ala Ser Ala Gly Asp Ala Asp Pro Ala Asn Arg Pro Gly Leu Leu
351          35          40          45
354 Asp Leu Lys Gly Lys Ala Lys Phe Asp Ala Trp His Lys Lys Ala Gly
355          50          55          60
358 Leu Ser Lys Glu Asp Ala Gln Lys Ala Tyr Ile Ala Lys Val Glu Ser
359 65          70          75          80
362 Leu Ile Ala Ser Leu Gly Leu Gln
363          85
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367 <211> LENGTH: 86
368 <212> TYPE: PRT
369 <213> ORGANISM: Saccharomyces cerevisiae
371 <400> SEQUENCE: 12
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374 1          5          10          15
377 Thr Lys Pro Ser Thr Asp Glu Leu Leu Glu Leu Tyr Ala Leu Tyr Lys
378          20          25          30
381 Gln Ala Thr Val Gly Asp Asn Asp Lys Glu Lys Pro Gly Ile Phe Asn
382          35          40          45
385 Met Lys Asp Arg Tyr Lys Trp Glu Ala Trp Glu Asn Leu Lys Gly Lys
386          50          55          60
389 Ser Gln Glu Asp Ala Glu Lys Glu Tyr Ile Ala Leu Val Asp Gln Leu
390 65          70          75          80
393 Ile Ala Lys Tyr Ser Ser
394          85
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398 <211> LENGTH: 86
399 <212> TYPE: PRT
400 <213> ORGANISM: Saccharomyces monoasensis
402 <400> SEQUENCE: 13
404 Val Ser Gln Leu Phe Glu Glu Lys Ala Lys Ala Val Asn Glu Leu Pro
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408 Thr Lys Pro Ser Thr Asp Glu Leu Leu Glu Leu Tyr Gly Leu Tyr Lys
409          20          25          30
412 Gln Ala Thr Val Gly Asp Asn Asp Lys Glu Lys Pro Gly Ile Phe Asn
413          35          40          45
416 Met Lys Asp Arg Tyr Lys Trp Glu Ala Trp Glu Asp Leu Lys Gly Lys
417          50          55          60
420 Ser Gln Glu Asp Ala Glu Lys Glu Tyr Ile Ala Tyr Val Asp Asn Leu
421 65          70          75          80
424 Ile Ala Lys Tyr Ser Ser
425          85
428 <210> SEQ ID NO: 14
429 <211> LENGTH: 86
430 <212> TYPE: PRT
431 <213> ORGANISM: Caenorhabditis elegans

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VERIFICATION SUMMARY

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